

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-20. (cancelled)

21. (New) An electrical structural part, comprising:

- a) an electrical or electronic structural element;
- b) a basic body formed of a first hard thermoplastic synthetic material having a first melting temperature on which the structural element is arranged; and
- c) an encapsulation tightly surrounding the structural element, formed of a second hard thermoplastic synthetic material having a second melting temperature which is higher than the first melting temperature, wherein material of the encapsulation is intimately fused with material of the basic body so as to embed the structural element free of gaps and voids.

22. (New) The structural part of claim 21, wherein the structural element comprises an electrical coil winding including a coil wire which is arranged directly on the basic body.

23. (New) The structural part of claim 22, wherein the basic body includes a cylindrical portion about which the coil winding is arranged.

24. (New) The structural part of claim 23, wherein the cylindrical portion of the basic body includes a limitation collar at one end and a connection head at an opposite end.

25. (New) The structural part of claim 24, wherein the basic body includes at least one protruding rib and at least one undercut which the synthetic material of the encapsulation engages.

26. (New) The structural part of claim 25, wherein a rib and an undercut are formed on the cylindrical part of the basic body near the limitation collar and near the connection head.

27. (New) The structural part of claim 25, wherein the rib has at least one relief.

28. (New) The structural part of claim 24, wherein the connection head of the basic body has at least one passage into which a connection pin in contact with an end of the coil wire is embedded free of voids.

29. (New) The structural part of claim 28, wherein an end portion of the connection pin extends beyond the connection head at a front side opposite to the cylindrical portion.

30. (New) The structural part of claim 22, wherein the coil winding includes a main winding and an auxiliary winding.

31. (New) The structural part of claim 30, wherein the main winding is wound onto the cylindrical portion of the basic body and the auxiliary winding is wound onto the main winding.

32. (New) The structural part of claim 30, wherein coil wire of the main winding comprises two layers wound one above the other and the auxiliary winding comprises one single winding layer.

33. (New) The structural part of claim 21, wherein the basic body has an axial longitudinal bore.

34. (New) The structural part of claim 21, wherein encapsulation has a circular-cylindrical outer surface.

35. (New) The structural part of claim 21, wherein the basic body has a longitudinal bore and the structural element includes an embedded coil winding which is in contact with connection pins so as to form a plug socket.

36. (New) The structural part of claim 21 wherein the basic body has a longitudinal bore and the structural element includes an embedded coil winding which is in contact with connection pins so as to form a plug pin.

37. (New) The structural part of claim 36, wherein the plug pin is axially insertable into a plug socket which comprises:

a) an electrical structural element in the form of a coil winding which is in contact with connection pins;

b) a basic body having a longitudinal bore and formed of a first hard thermoplastic synthetic material having a first melting temperature on which the structural element is arranged; and

c) an encapsulation tightly surrounding the structural element, formed of a second hard thermoplastic synthetic material having a second melting temperature which is higher than the first melting temperature, wherein material of the encapsulation is intimately fused with material of the basic body so as to embed the structural element free of gaps and voids.

38. (New) The structural part of claim 37, wherein the encapsulation of the plug pin includes an circular-cylinder outer surface having an outer diameter slightly smaller than an inner diameter of a longitudinal bore formed in the basic body of the plug socket.

39. (New) The structural part of claim 37, wherein the plug pin has a connection head with a diameter greater than its encapsulation and substantially equal to the diameter of the encapsulation of the plug socket.

40. (New) The structural part of claim 37, wherein the encapsulation of the plug pin and the encapsulation of the plug socket have substantially equal axial lengths.

41. (New) Method for manufacturing the electrical structural part of claim 21, comprising:

a) forming the basic body in a form tool of an injection molding machine from a thermoplastic synthetic material which after injection solidifies to a hard synthetic material;

b) placing the electrical or electronic structural element onto the hard basic body;

c) placing the basic body with the structural element in place into another form tool of the injection molding machine; and

d) molding a second thermoplastic synthetic material there onto, the melting temperature of which is higher than the melting temperature of the material of the basic body, such that the synthetic material of the basic body is melted by the heat energy of the higher melting synthetic material, whereby the synthetic materials having differing

melting temperatures are intimately fused with each other so as to be free of gaps and voids, and the higher melting synthetic material solidifies to a hard synthetic material encapsulation.